

**Commonwealth of Kentucky  
Environmental and Public Protection Cabinet  
Department for Environmental Protection  
Division for Air Quality  
803 Schenkel Lane  
Frankfort, Kentucky 40601  
(502) 573-3382**

**AIR QUALITY PERMIT**  
**Issued under 401 KAR 52:040**

**Permittee Name:** Lebanon Oak Flooring  
**Mailing Address:** P.O. Box 669  
Lebanon, Kentucky 40033-0669

**Source Name:** Lebanon Oak Flooring  
**Mailing Address:** Same as Above  
**Source Location:** 215 Taylor Avenue  
Lebanon, Kentucky 40033

**Permit Number:** S-05-044  
**Log Number:** 56416  
**Review Type:** State Origin  
**KYEIS ID #:** 21-155-00002  
**SIC Code:** 2426

**Regional Office:** Bowling Green Regional Office  
1508 Western Avenue  
Bowling Green, KY 42104-3356  
(270) 746-7475

**County:** Marion

**Application**  
**Complete Date:** May 14, 2004  
**Issuance Date:** March 15, 2005  
**Expiration Date:** March 15, 2015

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**John S. Lyons, Director**  
**Division for Air Quality**

## **SECTION A – PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and received a permit for the planned activity from the Division, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

## **SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **GROUP REQUIREMENTS:**

#### **01 Wood Fired Indirect Heat Exchanger**

Maximum continuous rating: 7.15 MMBtu/hr

Control equipment: Bag filter (90% efficiency)

Construction commenced: Prior to 1969

### **APPLICABLE REGULATIONS:**

401 KAR 61:015, Existing Indirect Heat Exchangers

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a) Pursuant to 401 KAR 61:015, Section 4(1), particulate matter emissions shall not exceed 0.71 lbs/mmBtu.

#### **COMPLIANCE DEMONSTRATION**

Continual compliance with the PM standard shall be assumed, based on AP-42 Table 1.6-1 for dry wood-fired boiler with mechanical collector control, post-control emission factor of 0.30 lb/mmBtu.

- b) Pursuant to 401 KAR 61:015, Section 4(2), visible emissions shall not exceed 40% opacity, except a maximum of 60% opacity shall be permissible for not more than six (6) consecutive minutes in any 60 consecutive minutes during cleaning the fire box or blowing soot.
- c) Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide emissions shall not exceed 8.60 lb/mmBtu. The emissions unit will be in compliance with the allowable sulfur dioxide emission limitation as long as wood is being used as fuel in the unit.

#### **3. Testing Requirements:**

None

## **SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the boiler on a weekly basis and maintain a log of the observations. If visible emissions from any stack are seen (not including condensed water vapor ), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated for any necessary repairs.
- b) See **Section C.6.a.**

### **5. Specific Recordkeeping Requirements:**

See **Section C.2.a&b and 6.a.**

### **6. Specific Reporting Requirements:**

See **Section C.3.a,b,c&d and 6.b.**

## **SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **GROUP REQUIREMENTS:**

**02**

#### **Wood Fired Indirect Heat Exchanger**

Maximum continuous rating: 7.15 MMBtu/hr

Control equipment: Bag filter (90% efficiency)

Construction commenced: Prior to 1969

### **APPLICABLE REGULATIONS:**

401 KAR 61:015, Existing Indirect Heat Exchangers

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a) Pursuant to 401 KAR 61:015, Section 4(1), particulate matter emissions shall not exceed 0.71 lbs/mmBtu.

#### **COMPLIANCE DEMONSTRATION**

Continual compliance with the PM standard shall be assumed, based on AP-42 Table 1.6-1 for dry wood-fired boiler with mechanical collector control, post-control emission factor of 0.30 lb/mmBtu.

- b) Pursuant to 401 KAR 61:015, Section 4(2), visible emissions shall not exceed 40% opacity, except a maximum of 60% opacity shall be permissible for not more than six (6) consecutive minutes in any 60 consecutive minutes during cleaning the fire box or blowing soot.
- c) Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide emissions shall not exceed 8.60 lb/mmBtu. The emissions unit will be in compliance with the allowable sulfur dioxide emission limitation as long as wood is being used as fuel in the unit.

#### **3. Testing Requirements:**

None

## **SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the boiler on a weekly basis and maintain a log of the observations. If visible emissions from any stack are seen (not including condensed water vapor), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated for any necessary repairs.
- b) See **Section C.6.a.**

### **5. Specific Recordkeeping Requirements:**

See **Section C.2.a&b and 6.a.**

### **6. Specific Reporting Requirements:**

See **Section C.3.a,b,c&d and 6.b.**

## **SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **GROUP REQUIREMENTS:**

**03**

#### **Dimension Plant**

Equipment:	Planer, rip saw, cut-off saw, sander
Control equipment:	Bag filter (90% efficiency)
Rated Capacity:	1,500 bd-ft/hour
Ave. Wood Density:	4 lbs/bd-ft
Construction commenced:	Prior to 1969

### **APPLICABLE REGULATIONS:**

401 KAR 61:020, Existing Process Operation

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a) Pursuant to 401 KAR 61:020, Section 3(1)(a), any continuous emission into the open air shall not equal or exceed 40% opacity.
- b) Pursuant to 401 KAR 61:020, Section 3(2), particulate matter emissions into the open air shall not exceed the emissions level as calculated by the following equation:

$$PE = 4.10 * (P)^{0.67}$$

Where PE = Particulate emission rate (lb/hr) and  
P = Process weight rate (tons/hr)

- c) The wood processing operation is assumed to be in compliance with the allowable particulate emission and opacity limitations as long as the control equipment is properly maintained and operated.

#### **3. Testing Requirements:**

None

## **SECTION B – EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the boiler on a weekly basis and maintain a log of the observations. If visible emissions from any stack are seen (not including condensed water vapor ), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated for any necessary repairs.
- b) See **Section C.6.a.**

### **5. Specific Recordkeeping Requirements:**

See **Section C.2.a&b and 6.a.**

### **6. Specific Reporting Requirements:**

See **Section C.3.a,b,c&d and 6.b.**



## SECTION C – GENERAL CONDITIONS

### 1. Administrative Requirements

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and re-issuance, or revision of this permit.
- b. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:040, Section 15].
- c. Any condition or portion of this permit that becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1a(11), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- d. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, re-issuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1a(4,5), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- e. This permit does not convey property rights or exclusive privileges [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1a(8), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- f. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:040 Section 11(3)].
- g. All previously issued permits to this source at this location are hereby null and void.

### 2. Recordkeeping Requirements

- a. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee

**SECTION C – GENERAL CONDITIONS**

for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:040 Section 3(1)(f)].

- b. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**3. Reporting Requirements**

- a. In accordance with the provisions of 401 KAR 50:055, Section 1, the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
- b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1a above), the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1b(V)(3), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- c. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.
- d. The summary reports are due January 30th and July 30th of each year. All deviations from permit requirements shall be clearly identified in the reports. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

**SECTION C – GENERAL CONDITIONS****4. Inspections**

In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:

- a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
- b. To access and copy any records required by the permit;
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency;
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

**5. Emergencies/Enforcement Provisions**

- a. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [*Cabinet Provisions and Procedures for Issuing State-Origin Permits*, Section 1a(3), incorporated by reference in 401 KAR 52:040, Section 23(1)].
- b. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - i. An emergency occurred and the permittee can identify the cause of the emergency;
  - ii. The permitted facility was at the time being properly operated;
  - iii. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - iv. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
- c. Emergency provisions listed in General Condition 5b are in addition to any emergency or upset provision contained in an applicable requirement [401 KAR 52:040, Section 22(1)].
- d. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:040, Section 22(2)].

## SECTION C – GENERAL CONDITIONS

### 6. Compliance

- a. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:
  - i. Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1;
  - ii. All the air pollution control systems shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers. A log shall be kept of all routine and non routine maintenance performed on each control device;
  - iii. A log of the monthly raw material consumption and monthly production rates shall be kept available at the facility. Compliance with the emission limits may be demonstrated by computer program, spread sheets, calculations or performance tests as may be specified by the Division [401 KAR 50:055, Section 2].
- b. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
  - i. Identification of the term or condition;
  - ii. Compliance status of each term or condition of the permit;
  - iii. Whether compliance was continuous or intermittent;
  - iv. The method used for determining the compliance status for the source, currently and over the reporting period, and
  - v. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
  - vi. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

## SECTION C – GENERAL CONDITIONS

Division for Air Quality  
Bowling Green Regional Office  
1508 Western Avenue  
Bowling Green, KY 42104 - 3356

Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601-1403

- c. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
  - i. Applicable requirements that are included and specifically identified in this permit; or
  - ii. Non-applicable requirements expressly identified in this permit [401 KAR 52:040, Section 11].